

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO:4.
2. A recombinant expression vector comprising the nucleic acid molecule of claim 1.
3. A cell transfected with the recombinant expression vector of claim 2.
4. An isolated peptide comprising the amino acid sequence of SEQ ID NO:4.
5. An antibody or antigen binding fragment thereof that binds to the peptide of claim 4.
6. A vaccine formulation comprising a peptide encoded by a nucleic acid molecule that hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO:4.